

Additional file 4. Correlations of *ERBB3* to the 6-GeneSig and other *ERBB* family members

| | | <i>ERBB3</i> | | | | |
|---------------|------|--------------|--------|--------|--------|--------|
| | | Data set | 1 | 2 | 3 | 4 |
| <i>ALK</i> | PC | | -0.201 | -0.343 | -0.279 | -0.377 |
| | Sign | | | | ** | *** |
| | N | | 17 | 30 | 102 | 110 |
| <i>BIRC5</i> | PC | | -0.451 | -0.486 | -0.452 | -0.626 |
| | Sign | | | ** | ** | *** |
| | N | | 17 | 30 | 102 | 110 |
| <i>CCND1</i> | PC | | -0.305 | -0.599 | -0.253 | -0.455 |
| | Sign | | | *** | * | ** |
| | N | | 17 | 30 | 102 | 110 |
| <i>MYCN</i> | PC | | -0.421 | -0.454 | -0.290 | -0.551 |
| | Sign | | | * | ** | *** |
| | N | | 17 | 30 | 102 | 110 |
| <i>NTRK1</i> | PC | | -0.063 | -0.223 | 0.266 | -0.135 |
| | Sign | | | | ** | |
| | N | | 17 | 30 | 102 | 110 |
| <i>PHOX2B</i> | PC | | -0.803 | -0.782 | -0.216 | -0.739 |
| | Sign | | *** | *** | * | *** |
| | N | | 17 | 30 | 102 | 110 |

| | | <i>EGFR</i> | | | | <i>ERBB2</i> | | | | <i>ERBB3</i> | | | | |
|--------------|------|-------------|-------|-------|-------|--------------|--------|--------|--------|--------------|--------|--------|-------|--------|
| | | Data set | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| <i>ERBB4</i> | PC | | 0.236 | -0.14 | 0.124 | -0.056 | -0.114 | -0.154 | -0.107 | -0.17 | -0.058 | -0.206 | 0.059 | -0.219 |
| | Sign | | | | | | | | | | | | * | |
| | N | | 17 | 30 | 102 | 110 | 17 | 30 | 102 | 110 | 17 | 30 | 102 | 110 |
| <i>EGFR</i> | PC | | | | | | 0.411 | 0.705 | 0.250 | 0.822 | 0.4 | 0.819 | 0.359 | 0.769 |
| | Sign | | | | | | | *** | * | *** | | *** | *** | *** |
| | N | | | | | | 17 | 30 | 102 | 110 | 17 | 30 | 102 | 110 |
| <i>ERBB2</i> | PC | | | | | | | | | | 0.623 | 0.881 | 0.414 | 0.800 |
| | Sign | | | | | | | | | | *** | *** | *** | *** |
| | N | | | | | | | | | | 17 | 30 | 102 | 110 |

Left panel: Pearson Correlations (PC) of *ERBB3* to the 6-gene signature (6-GeneSig) in four data sets separately (1= De Preter, 2= McArdle/Wilzén, 3= Wang, 4=Versteeg). Right panel: Pearson Correlations between the four *ERBB*-genes in four data sets separately. Positive correlations are marked in grey, and negative correlations are marked in white. Significance (Sign; 2-tailed) is marked as follows: *Significant at the 0.05 level; **Significant at the 0.01 level; ***Significant at the 0.001 level. N=number of cases.